



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : DUMAS, Jacques, et al.

Serial No.: 09/838,286

Group Art Unit: 1614

Filed: 4/20/01

Examiner: William R.A. Jarvis

For: HETEROARYL UREAS CONTAINING NITROGEN HETERO-ATOMS AS p38 KINASE INHIBITORS

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR § 1.56, 1.97 and 1.98

Assistant Commissioner for Patents
Washington, D. C. 20231

Sir:

Applicant(s) hereby disclose the information listed in the attached form PTO-1449.

No fee is required in that this IDS is submitted with an RCE.

Copies of the search reports and notices of references cited have been provided as well as copies of the claims in the copending applications identified below. Copies of the claims have also been provided on the accompanying compact disc.

A copy of the Examination Report in the corresponding International Application has been provided.

Pursuant to 37 CFR §1.97 and §1.98, Applicant identifies the following related copending applications.

Title: Inhibition of RAF Kinase Activity Using Aryl Ureas
Inventor(s): Jill Wood et al.
Filed January 8, 2001, Serial No. 09/755,060
Status: Published
Claims pending as of 6/23/03 attached

Title: RAF Kinase Inhibitors
Inventor(s): Jill Wood et al.
Filed May 21, 1998, Serial No. PCT/US98/10376
No U.S. National Phase

Title: Inhibition of p38 Kinase Activity by Aryl Ureas
Inventor(s): Gerald Ranges et al.
Filed September 7, 2001, Serial No. 09/947,761

Claims pending as of 6/23/03 attached

Title: Inhibition of p38 Kinase by Aryl Ureas
Inventor(s): Gerald Ranges et al.
Filed May 21, 1998, Serial No. PCT/US98/10375
No U.S. National Phase

Title: Inhibition of RAF Kinase Using Symmetrical and
Unsymmetrical
Substituted Diphenyl Ureas
Inventor(s): Scott Miller et al.
Filed December 22, 1998, Serial No. 09/776,936
Claims pending as of 6/23/03 attached

Title: Inhibition of RAF Kinase Using Symmetrical and
Unsymmetrical
Substituted Diphenyl Ureas
Inventor(s): William Scott et al.
Filed December 22, 1998, PCT/US98/26081
No U.S. National Phase

Title: Inhibition of RAF Kinase Using Substituted Heterocyclic Ureas
Inventor(s): Jacques Dumas et al.
Filed: August 18, 2000, Serial No. 09/640,780
Claims pending as of 6/23/03 attached

Title: Inhibition of RAF Kinase Using Substituted Heterocyclic Ureas
Inventor(s): Jacques Dumas et al.
Filed December 22, 1998, PCT/US98/26078
No U.S. National Phase

Title: Inhibition of RAF Kinase Using Aryl and Heteroaryl Substituted
Heterocyclic Ureas
Inventor(s): William Scott et al.
Filed December 27, 1998, Serial No. 09/472,232
Claims pending as of 6/23/03 attached

Title: Inhibition of RAF Kinase Using Aryl and Heteroaryl Substituted
Heterocyclic Ureas
Inventor(s): Jacques Dumas et al.
Filed December 22, 1998, PCT/US98/26082
No. U.S. National Phase

Title: Inhibition of P38 Kinase Activity Using Symmetrical and

Unsymmetrical Diphenyl Ureas
Inventor(s): Scott Miller et al.
Filed February 1, 2002, Serial No. 10/060,396
Claims pending as of 6/23/03 attached

Title: Inhibition of p38 Kinase Using Symmetrical and Unsymmetrical Diphenyl Ureas
Inventor(s): Scott Miller et al.
Filed: December 22, 1998, PCT/US98/27265
No U.S. National Phase

Title: Inhibition of P38 Kinase Using Substituted Heterocyclic Ureas
Inventor(s): Jacques Dumas et al.
Filed December 10, 1999, Serial No. 09/458,014
Claims pending as of 6/23/03 attached

Title: Inhibition of p38 Kinase Activity Using Substituted Heterocyclic Ureas
Inventor(s): Jacques Dumas et al.
Filed December 22, 1998, PCT/US98/26080
No U.S. National Phase

Title: Inhibition of p38 Kinase Activity Using Aryl and Heteroaryl Substituted Heterocyclic Ureas
Inventor(s): Jacques Dumas et al.
Filed December 22, 1998, Serial No. 09/776,935
Claims pending as of 6/23/03 attached

Title: Inhibition of p38 Kinase Activity Using Aryl and Heteroaryl Substituted Heterocyclic Ureas
Inventor(s): Jacques Dumas et al.
Filed: December 22, 1998, PCT/US98/26079
No U.S. National Phase

Title: Inhibition of RAF Kinase Quinoliny, Isoquinoliny or Pyridyl Ureas
Inventor: Jacques Dumas et al.
Filed April 19, 2002, Serial No. 10/125,369
Claims pending as of 6/23/03 attached

Title: Inhibition of RAF Kinase Quinoliny, Isoquinoliny or Pyridyl Ureas
Inventor: Jacques Dumas et al.
Filed April 19, 2002, Serial No. PCT/US02/12066
No U.S. National Phase

Title: Heteroaryl Ureas Containing Nitrogen Hetero-Atoms As p38 Kinase Inhibitors

Inventor: Jacques Dumas et al.

Filed April 20, 2001, Serial No. 09/838,286

Claims pending as of 6/23/03 attached

Title: Heteroaryl Ureas Containing Nitrogen Hetero-Atoms As p38 Kinase Inhibitors

Inventor: Jacques Dumas et al.

Filed April 18, 2002, Serial No. PCT/US02/12064

No U.S. National Phase

Title: ω -Carboxyaryl Substituted Diphenyl Ureas As RAF Kinase Inhibitors Inventor: Bernd Riedl et al.

Filed: September 10, 2001, Serial No. 09/948,915

Claims pending as of 6/23/03 attached

Title: ω -Carboxyaryl Substituted Diphenyl Ureas As RAF Kinase Inhibitors

Inventor: Bernd Riedl et al.

Filed: January 12, 2001, Serial No. PCT/US00/00648

National Phase Serial No. 09/889,227 (pending as of 6/23/03)

Title: Inhibition of Raf Kinase Using Quinolinyl, Isoquinolinyl and Pyridinyl Ureas

Inventor: Jacques Dumas et al.

Filed February 7, 2001, Serial No. 09/777,920

Claims pending as of 6/23/03 attached

Title: Inhibition of Raf Kinase Using Quinolinyl, Isoquinolinyl and Pyridinyl Ureas

Inventor: Jacques Dumas et al.

Filed: January 7, 2002, Serial No. PCT/US02/03361

No U.S. National Phase

Title: Method and/or Process for Preparing ω -Carboxyaryl Substituted Diphenyl Ureas as raf Kinase Inhibitors

Filed February 11, 2002, Serial No. 10/071,248

Claims pending as of 6/23/03 attached

Title: Omega-Carboxy Aryl Substituted Diphenyl Ureas as p38 Kinase Inhibitors

Inventor: Bernd Riedl et al.
Filed March 4, 2002, Serial No.10/086,417
Claims pending as of 6/23/03 attached

Title: Aryl Ureas With Angiogenesis Inhibiting Activity
Inventor: Jacques Dumas, et. al.
Filed February 11, 2003, Serial No.10/361,858
Claims pending as of 6/23/03 attached

Title: ω -Carboxyaryl Substituted Diphenyl Ureas as RAF Kinase Inhibitors
Inventor(s): Riedl et al.
Filed November 27, 2001, Serial No. 09/993,647
Claims pending as of 6/23/03 attached

Title: ω -Carboxyaryl Substituted Diphenyl Ureas As RAF Kinase Inhibitors
Inventor(s): Riedl et al.
Filed January 11, 2002, Serial No. 10/242,226
Claims pending as of 6/23/03 attached

Title: ω -Carboxyaryl Substituted Diphenyl Ureas As RAF Kinase Inhibitors
Inventor: Riedl et al.
Filed: July 19, 2001, Serial No. 09/907,970
Claims pending as of 6/23/03 attached

Title: ω -Carboxyaryl Substituted Diphenyl Ureas As RAF Kinase Inhibitors
Inventor: Riedl et al.
Filed: October 30, 2002, Serial No. 10/283,248
Claims pending as of 6/23/03 attached

Title: Aryl Urea Compounds In Combination with Other Cytostatic or Cytotoxic Agents For Treating Human Cancers
Inventor: Carter et al
Filed December 3, 2002, S.N. 10/308,187
Claims pending as of 6/23/03 attached

Title: Aryl Ureas As Kinase Inhibitors
Inventor: Jacques Dumas.
Filed: February, 11, 2003, S.N. 10/361,859
Claims pending as of 6/23/03 attached

Title: Aryl Ureas With raf Kinase and Angiogenesis Inhibiting Activity
Inventor: Jaques Dumas
Filed: February, 11, 2003, S.N. 10/361,844
Claims pending as of 6/23/03 attached

Title: Pyridine, Quinoline and Isoquinoline N-oxides as Kinase

Inhibitors
Inventor: Jacques Dumas
Filed: February, 11, 2003, S.N. 10/361,850
Claims pending as of 6/23/03 attached

FEES

No fee is believed due.

DEPOSIT ACCOUNT

The Commissioner is hereby authorized to charge any further fees under 37 CFR § 1.16 and § 1.17 which may be required to facilitate this filing, or credit any overpayment to Deposit Account #13-3402.

Respectfully submitted,



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Attorney Docket No.: BAYER 25A

Date: July 9, 2003

RJT:jqs

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/838,286
		Filing Date	4-20-01
		First Named Inventor	DUMAS, Jacques, et. al.
		Group Art Unit	1614
		Examiner Name	William R. A. Jarvis
		Attorney Docket Number	BAYER-14
Sheet	1	of	3

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Dumas, J.. "CAS Structure," May 6, 1997, pages 1-29	
		Scott,Bill, "Substructure (Patent Families)", August 11, 1997, pages 1-19.	
		Scott, Bill, "Substructure #2", November 25, 1997, pages 1-3.	
		"Beilstein number" Collection, 28 pages (1997)	
		"Beilstein Collection", 4 pages (1997)	
		Scott, Bill, "Substructure Search", December 2, 1997, pages 1-51.	
		Substructure Search, pages 1-30. (1997)	
		Derwent World Patents Index Search, pages 20-26. (1997)	
		A "Notice of References Cited" from the USPTO for U.S. application 08/995,749.	
		A "Notice of References Cited" from the USPTO for U.S. application 09/083,399.	
		A "Notice of References Cited" from the USPTO for U.S. application 09/425,228.	
		A "Notice of References Cited" from the USPTO for U.S. application 09/425,229.	
		A "Notice of References Cited" from the USPTO for U.S. application 09/458,015.	
		A "Notice of References Cited" from the USPTO for U.S. application 09/472,232.	
		A "Notice of References Cited" from the USPTO for U.S. application 09/472,232.	
		A "Notice of References Cited" from the USPTO for U.S. application 09/773,604.	
		A "Notice of References Cited" from the USPTO for U.S. application 09/773,659.	
		A "Notice of References Cited" from the USPTO for U.S. application 09/773,672.	
		A "Notice of References Cited" from the USPTO for U.S. application 09/773,675.	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO		Compleat if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/838,286
		Filing Date	April 20, 2001
		First Named Inventor	Jacques DUMAS et al.
		Group Art Unit	1614
		Examiner Name	William R.A. Jarvis
Sheet 2 of 3	Attorney Docket Number	BAYER 14	

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AM	A "Notice of References Cited" from the USPTO for U.S. application 09/776,935.	
	AN	A "Notice of References Cited" from the USPTO for U.S. application 09/776,936.	
	AO	A "Notice of References Cited" from the USPTO for U.S. application 09/777,920.	
	AP	A "Notice of References Cited" from the USPTO for U.S. application 09/948,915.	
	AQ	A "Notice of References Cited" from the USPTO for U.S. application 10/042,226.	
	AR	A "Notice of References Cited" from the EPO fro European application EP 98/963809.	
	AS	Supplemental search report from the EPO for European application EP 98/963810.	
	AT	Supplemental search report from the EPO for European application EP 98/965981.	
	AU	Supplemental search report from the EPO for European application EP 00/903239.	
	BA	International search report for International Application No. PCT/US98/10375.	
	BB	International search report for International Application No. PCT/US98/10376.	

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		Application Number	09/838,286
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		First Named Inventor	Jacques DUMAS et al.
		Group Art Unit	1614
		Examiner Name	William R.A. Jarvis
		Attorney Docket Number	BAYER 14
Sheet	3	of	3

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	BC	International search report for International Application No. PCT/US98/26078.	
	BD	International search report for International Application No. PCT/US98/26079.	
	BE	International search report for International Application No. PCT/US98/26080.	
	BF	International search report for International Application No. PCT/US98/26081.	
	BG	International search report for International Application No. PCT/US98/26082.	
	BH	International search report for International Application No. PCT/US98/24265.	
	BI	International search report for International Application No. PCT/US00/00648.	
	BJ	International search report for International Application No. PCT/US00/00768.	
	BK	International search report for International Application No. PCT/US02/12064.	
	BL	International search report for International Application No. PCT/US02/12066.	
	BM	International search report for International Application No. PCT/US/26081.	

Examiner Signature		Date Considered	
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